

considered

Page 1

Copyright (c) 1993 - 2000 Compugen Ltd.  
ON nucleic - nucleic search, using sw model  
Run on: January 24, 2002, 03:28:19 ; Search time 22.28 Seconds  
Scoring table: ORIGO-NUC  
Gapop 60.0 , Gapext 60.0  
Searched: 930621 seqs, 428662619 residues  
Word size : 0  
Total number of hits satisfying chosen parameters: 98966  
Minimum DB seq length: 0  
Maximum DB seq length: 50

**Post-processing:** Listing first 45 summaries

Result No.	Score	Query Match Length	DB ID	Description
1	14	15..6	20 AA050548	PCR primer used to
2	14	15..6	26 19 AAV07952	Helicobacter pylor
3	14	15..6	26 19 AAV07922	Helicobacter pylor
4	14	15..6	27 19 AAV07937	Helicobacter pylor
5	14	15..6	47 21 AAV68842	Human map-related
6	13	14..4	17 16 AAV092084	Renilla reniformis
7	13	14..4	20 19 AAV55307	PCR primer used to
8	13	14..4	23 22 AAV12610	Human lipoprotein
9	13	14..4	24 22 AAV55939	Human SCNA PCR-SS
10	13	14..4	26 15 AAV68537	B. thuringiensis 33
11	13	14..4	26 21 AAV67312	Alzheimer's disease

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES



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**GenCore version 4.5**

**ON nucleic - nucleic search; using sw model**

**Run on:** January 24, 2002, 02:22:33 ; search time 93.51 Seconds  
(without alignments)

**US-09-531-438-3**

**Perfect score:** 327

**Sequence:** 1 atttggatatcttaattt.....tttcatagtttcttatgtt 327

**Scoring table:** OUCG\_NUC

**Gapop 60.0 , Gapext 60.0**

**Searched:** 351203 seqs, 113238999 residues

**Word size :** 0

**Total number of hits satisfying chosen parameters:** 495388

**Minimum DB seq length: 0**

**Maximum DB seq length: 50**

**Post-processing: Listing first 45 summaries**

**Database :**

- 1: Issued\_Patents\_NU:\*
- 2: /cgn2\_6/ptodata/2/lna/SA\_COMBO.seq:\*
- 3: /cgn2\_6/ptodata/2/lna/5B\_COMBO.seq:\*
- 4: /cgn2\_6/ptodata/2/lna/6B\_COMBO.seq:\*
- 5: /cgn2\_6/ptodata/2/lna/PCTUS\_COMBO.seq:\*
- 6: /cgn2\_6/ptodata/2/lna/BackFiles1.seq:\*

**Pred. No.** is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
1	16	4.9	29	3	US-09-816-977-12
2	16	4.9	36	1	US-09-629-60-16
3	15	4.6	27	1	US-09-120-827-66
4	15	4.6	27	1	US-09-478-675-66
5	15	4.6	30	5	PCT-US92-10793-3
6	15	4.6	32	1	US-09-256-61-29
7	15	4.6	32	3	US-09-852-299-29
8	14	4.3	18	2	US-09-205-20-20
9	14	4.3	29	3	US-09-816-977-12
10	14	4.3	30	2	US-09-629-60A-31
11	14	4.3	30	4	US-09-641-27D-110
12	14	4.3	36	1	US-09-629-600-16
13	14	4.3	37	2	US-09-403-853-8
14	13	4.0	18	3	US-09-847-49A-113
15	13	4.0	18	4	US-09-686-968C-13
16	13	4.0	20	3	US-09-289-461-79
17	13	4.0	21	3	US-09-691-04-61
18	13	4.0	24	3	US-09-672-151
19	13	4.0	28	1	US-09-120-821-64
20	13	4.0	28	1	US-09-479-675-64
21	13	4.0	30	2	US-09-629-601A-79
22	13	4.0	30	4	US-09-612-77D-159
23	13	4.0	31	1	US-09-330-638B-5
24	13	4.0	31	2	US-09-746A-5
25	13	4.0	36	1	US-09-247-80A-14
26	13	4.0	36	2	US-09-711-728-14
27	4.0	37	2	US-09-097-554A-45	

Sequence 10, Appl  
Sequence 11, Appl  
Sequence 12, Appl  
Sequence 13, Appl  
Sequence 14, Appl  
Sequence 15, Appl  
Sequence 16, Appl  
Sequence 17, Appl  
Sequence 18, Appl  
Sequence 19, Appl  
Sequence 20, Appl  
Sequence 21, Appl  
Sequence 22, Appl  
Sequence 23, Appl  
Sequence 24, Appl  
Sequence 25, Appl  
Sequence 26, Appl  
Sequence 27, Appl

RESULT 1  
US-09-816-977-12  
; sequence 12, Application US/08816977  
; patent no. 6080400  
GENERAL INFORMATION:  
APPLICANT: Williams, James A.  
APPLICANT: Byrne, Lisa M.  
APPLICANT: Pugh, Charles S.G.  
TITLE OF INVENTION: Prevention And Treatment Of  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Medlen & Carroll, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: California  
COUNTRY: United States of America  
ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin release #1.0, version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US-A09/816-977

FILING DATE: 13-MAR-1997  
CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:  
NAME: Macknight, Kamlin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: OPHO-02450

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410

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INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:  
LENGTH: 29 base pairs

TYPE: nucleic acid

STRANGENESS: single

TAXONOMY: linear

MOLECULE TYPE: DNA (genomic)

US-09-189 aaataatatttta 204

Query Match 4.9%; Score 16; DB 3; Length 29;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



Result No.	Score	Query Match Length	DB ID	Description
1	16	4.9	29_6 AR099668	AR099668 Sequence
2	16	4.9	32_6 E27913	E27913 Method for
3	16	4.9	36_3 CEANOYFR	X97533 C.elegans D
4	16	4.9	36_5 AR09356	AR01933 Sequence
5	15	4.6	27_6 AR014030	AR014030 Sequence
6	15	4.6	27_6 121980	I21980 Sequence 66
7	15	4.6	32_6 AR037189	AR037189 Sequence
8	14	4.3	29_6 AR076353	AR076353 Sequence
9	14	4.3	29_6 AR099668	AR099668 Sequence
10	14	4.3	30_6 AR028182	AR028182 Sequence
11	14	4.3	30_6 AR138585	AR138585 Sequence
12	14	4.3	32_6 E27913	E27913 Method for
13	14	4.3	36_6 AR019036	AR019036 Sequence
14	14	4.3	37_6 AR063204	AR063204 Sequence
15	14	4.3	45_6 AX049373	AX049373 Sequence
16	14	4.3	45_6 AX049374	AX049374 Sequence
17	14	4.3	45_6 AX099556	AX099556 Sequence
18	14	4.3	45_6 AX099556	AX099556 Sequence
19	14	4.3	45_6 AX137975	AX137975 Sequence
20	14	4.3	45_6 AX137975	AX137975 Sequence
21	14	4.3	50_6 AR159056	AR159056 Sequence
22	14	4.0	18_6 AR146953	AR146953 Sequence
23	13	4.0	20_6 AR12058	AR12058 Sequence
24	13	4.0	20_6 AX076045	AX076045 Sequence
25	13	4.0	23_6 A97479	A97479 Sequence 35
26	13	4.0	24_6 AX09344	AX09344 Sequence
27	13	4.0	24_6 AX164353	AX164353 Sequence
28	13	4.0	24_6 AB059100	AB059100 Synthetic
29	13	4.0	25_6 AX042366	AX042366 Sequence
30	13	4.0	25_6 AX043268	AX043268 Sequence
31	13	4.0	26_6 AX03624	AX03624 Sequence
32	13	4.0	26_6 AX03654	AX03654 Sequence
33	13	4.0	28_6 AR01028	AR01028 Sequence
34	13	4.0	28_6 121978	121978 Sequence 64
35	13	4.0	29_6 AX012366	AX012366 Sequence
36	13	4.0	29_6 E59972	E59972 Highly acti
37	13	4.0	30_6 AR02830	AR02830 Sequence
38	13	4.0	30_6 AR13633	AR13633 Sequence
39	13	4.0	30_6 AX063379	AX063379 Sequence
40	13	4.0	31_6 195122	195122 Sequence 5
41	13	4.0	33_5 XELARSES9	K01606 Xenopus lae
42	13	4.0	36_6 A41027	A41027 Sequence 14
43	13	4.0	36_6 AR082586	AR082586 Sequence
44	13	4.0	36_6 AX167671	AX167671 Sequence
45	13	4.0	36_6 128261	128261 Sequence 14
ALIGNMENTS				
RESULT 1				
REFERENCE 1 (bases 1 to 29)				
AUTHORS Williams,J.A. and Byrne,L.Marie.				
TITLE Compositions for the prevention and treatment of verotoxin-induced disease				
JOURNAL Patent: US 6080400-A 12-27-JUN-2000;				
FEATURES Location/Qualifiers				
source 1..29				
BASE COUNT 11 a 2 c 5 g 11 t				
ORIGIN				
SUMMARIES				

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.



Result No.	Score	Query Match	Length	DB	ID	Description
1	327	100.0	327	6	AX004614	AX004614 Sequence
2	327	100.0	1292	1	L77965	L77965 Clostridium
3	327	100.0	1392	6	AX004613	AX004613 Sequence
4	199	60.9	54310	1	AP003515	AP003515 Clostridi
5	81.8	25.0	12800	3	AE001429	AE001429 Plasmidu
6	79	24.2	39347	9	ALJ35906	ALJ35906 Human DNA
7	77.8	23.8	53332	2	AC023371	AC023371 Homo sapi
8	77.4	23.7	16343	2	AC006280	AC006280 Plasmidu
9	77.4	23.7	205129	2	AC005506	AC005506 Plasmidu
10	76.2	23.3	3302	3	AE300334	AE300334 Dicysteate
11	76.2	23.3	242513	2	AC079314	AC079314 Homo sapi
12	75.8	23.2	318221	2	PENALI3P3	AL049184 Plasmidu
13	75.6	23.1	14014	2	AE378947	AE378947 Oryza sat
14	75	22.9	17803	9	AC068119	AC068119 Homo sapi
15	74.4	22.8	15600	2	AC004153	AC004153 Plasmidu
16	73.2	22.4	863	11	CNS06EV0	AL395628 T7 end of
17	73	22.3	8622	8	YSCMCTOC	M97514 Saccharomyce
18	72.8	22.3	34119	8	AE227178	AE227178 Chrysosold
19	72.2	22.1	10492	2	AC005504	AC005504 Plasmidu
20	72.2	22.1	16245	9	ALJ8151	ALJ8151 Human DNA
21	72.2	22.1	16566	2	AC004157	AC004157 Plasmidu
22	72.2	22.1	19982	9	ALJ354770	ALJ354770 Human DNA
23	72	22.0	15898	2	AC011146	AC011146 Homo sapi
24	71.6	21.9	18093	9	AC073409	AC073409 Homo sapi
25	71.6	21.8	12029	3	AE001400	AE001400 Plasmidu
26	71.4	21.8	17503	2	AC090014	AC090014 Homo sapi
27	71.2	21.8	11000	2	AL591074_2	Continuation (3 of
28	71	21.7	95477	9	AC007076	AC007076 Homo sapi
29	71	21.7	168799	9	AC009551	AC009551 Homo sapi
30	71	21.7	194338	9	AC010103	AC010103 Homo sapi
31	70.8	21.7	159475	2	AC021378	AC021378 Homo sapi
32	70.6	21.6	13433	3	AE315648	AE315648 Caratatis
33	70.6	21.6	85779	2	SE018556	SE018556 Saccharom
34	70.6	21.6	12247	2	AC093220	AC093220 Homo sapi
35	70.6	21.6	159355	9	AE212831	AE212831 Homo sapi
36	70.6	21.6	161230	2	AC011355	AC011355 Homo sapi
37	70.6	21.6	234112	3	PPHALP2	AL035475 Plasmidu
38	70.6	21.6	340000	9	HS21C013	ALJ163213 Homo sapi
39	70.4	21.5	155456	2	AC027753	AC027753 Homo sapi
40	70.4	21.5	16024	9	AC060335	AC060335 Homo sapi
41	70.4	21.5	172158	4	AC022553	AC022553 Homo sapi
42	70.4	21.5	19951	2	AC006281	AC006281 Plasmidu
43	70.2	21.5	137342	9	ALJ392048	ALJ392048 Human DNA
44	70.2	21.5	180388	9	HUMREBLAS	L11910 Human ratin
45	70.2	21.5	183584	9	AC012492	AC012492 Homo sapi
ALIGNMENTS						
1	RESULT	1	AX004614			
LOCUS			AX004614	327 bp	DNA	
DEFINITION				Sequence 2 from Patent WO9915669.		PAT
ACCESSION			AX004614	1	G1:9928055	24-AUG-2000
VERSION						
KEYWORDS						
SOURCE						
ORGANISM						
Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridiaceae;						
Clostridium.						
REFERENCE						
AUTHORS						
TITLE						
JOURNAL						
FEATURES						
source						
1.327						
Pred. No. 1 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.						
SUMMARIES						

Patent No. 9915669-A 2 01-APR-1999; GIBERT, M. and Popoff, M.R. Closoridium toxin, and method for preparing immunogenic compositions. (bases 1 to 327)

Patent: WO 9915669-A 2 01-APR-1999; GIBERT MARSE (FRA); PASTEUR INSTITUT (FRA) Location/Qualifiers /Organism="Clostridium perfringens"

